

WHAT IS CLAIMED IS:

1. A process for preparing a filled halobutyl elastomer comprising admixing a halobutyl elastomer, particles of filler and an additive which has at least one hydroxyl group and one basic nitrogen-containing group, and curing the resulting filled brominated butyl elastomer.
- 5
2. A process according to claim 1, wherein the basic nitrogen-containing group is an amino group.
- 10
3. A process according to claim 2 wherein the amino group is a primary amino group.
- 15
4. A process according to claim 1, wherein the additive comprises an amine group and a carboxylic acid group.
5. A process according to claim 4, wherein the additive is an amino acid.
- 20
6. A process according to claim 1, wherein the additive is an aminoalcohol.
7. A process according to claim 6, wherein the aminoalcohol is a compound of formula HO-A-NH₂ wherein A is a linear or branched C₁ to C₂₀ alkylene group.
- 25
8. A process according to claim 7, wherein A is a C₁ to C₄ alkylene group.
- 30
9. A process according to claim 6 wherein the additive is selected from the group consisting of ethanolamine, 3-amino-1-propanol, N,N-dimethylethanolamine and mixtures thereof.

10. A process according to claim 1, wherein the amount of additive used results in a nitrogen level in the filled halobutyl elastomer of from 0.1 to 5 parts per hundred parts of elastomer

5 11. A process according to claim 10, wherein the amount of additive used results in a nitrogen level in the filled halobutyl elastomer of from 0.125 to 1 parts per hundred parts of elastomer.

10 12. A process according to claim 1, wherein the filler is silica or carbon-black or a mixture thereof.

13. A process according to claim 1 wherein the filled halobutyl elastomer is admixed with another elastomer or elastomeric compound before it is subjected to curing.

15 14. A process according to claim 1, wherein the filled halobutyl elastomer is cured with 0.3 to 2.0 parts by weight of sulfur.

20 15. A filled, cured halobutyl elastomer composition prepared by a process according to claim 14.

16. A filled, cured elastomer composition according to claim 14 in the form of a tread for a vehicle tire.

25 17. A filled, cured elastomer composition according to claim 14 in the form of an innerliner for a vehicle tire.